

Mean Number of Prompt Neutrons in the Fission of
U 233, U 235, Pu 239 by 4 and 15 Mev Neutrons, by
G. N. Sirenkin, I. I. Bondarenko, L. S. Kutsayeva,
Kh. D. Mishchenko, L. I. Prokhorova, B. P. Sheme-
tenko, 3 pp.

RUSSIAN, per, Atomnaya Energiya, Vol IV, No 2,
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Sci - Nuclear Phys

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Jan 59

Catalytic Conversion of n-Propyl and n-Butyl
Alcohols, by B. A. Bolotov, P. M. Adrov,
L. K. Prokhorova, 6 pp.

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May 1955, pp 516-522. CIA C 39706

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Turnover Rate of Carbohydrates and Lipids in
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Tupikova, 9 pp.

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Sistemy, Kiev, Chap. 11, 1957, pp 118-130.

SLA 60-18342

Sci
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Vol 4, No 10

The Turnover Rate of Glycogen and Glucose in
Brain and in Liver of Hypoxemic Rats,
by M. I. Prokhorova, N. I. Brodskaya,
G. M. Sokolova, 13 p.

RUSSIAN, par, Voprosy Med Khim, 1957, Vol III,
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SLA 59-17374

Sci
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Vol 2, No 8

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Kinetics and Chemical Nature of the Polycondensation
of Esters of α -Amino Acids and Peptides.

11. Joint Polycondensation of Esters and
N-Carboxylic Anhydrides of D, L-Alanine and
Glycine, by K. T. Poroshin, Yu. I. Khurgin,
N. I. Prokhorova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1960, pp 1687-1692.

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Kinetics and Chemistry of the Polycondensation of α -Amino Esters. Communication 7. Kinetics of the Change in the Composition of the Products of the Polycondensation of Glycine Ethyl Ester in Presence of N-Carboxyglycine Anhydride, by K. T. Poroshin, Yu. I. Khurgin, N. I. Frokhova, 6 pp.

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The Calculation of Rate Constants of Double
Stage Parallel-Consecutive Second-Order Reactions,
by V. O. Raikhafel'd and V. A. Prokhorova, 6 pp.
RUSSIAN, per, Kinetika i Kataliz, Vol IV, No 3,
1963, pp 483-486.
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The Diffusion of Antimony in Antimony Doped
Germanium, by B. I. Boltaks, V. M. Prokhorova,
L. I. Bovozhilova, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, XXVIII, 1958, pp 990.

FDD/X-3218

Sci - Physics
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Investigation in the Field of Monoorganosilanes.

III. Syntheses Based on Monoorganosilanes, by

V. A. Prokhorova, V. O. Reikhsfel'd, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII,
No 8, 1963, pp 2617-2625.

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Sci
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Studies in the Field of Monoorganosilanes. II. The
Reactivity of Monoorganosilanes in Reaction With
Alcohol, by V. O. Reikhsfel'd, V. A. Prokhorova,
5 pp.

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1961, pp 2613-2617.

CB

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Prokhot'skii, Yu. M. and Belik, S. A.
DETERMINATION OF THE QUANTITATIVE COMPOSITION OF SILVER HALIDE POWDERS ISOLATED FROM PHOTOGRAPHIC EMULSIONS. [Apr 64] Sp Order from ATS \$8.25
ATS-88R74R

Trans. of Zhurnal Nauchn[i] Prikladnoi Fotografi[i] i Kineematografi[i] (USSR) 1963, v. 8, no. 3, p. 189-193.

TT-64-22102.

I. Prokhot'skii, Yu. M.
II. Belik, S. A.
III. ATS-88R74R
IV. Associated Technical Services, Inc., East Orange, N. J.

86221

(Materials--Photographic, TT, v. 12, no. 2)

Office of Technical Services

Silver Chlorobromide Photographic Emulsions
With Grains Having a Laminated Structure, by
Yu. M. Prokhot'skiy, Yu. B. Vilen'skiy.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf
Kinetolog, Vol V, No 5, 1960, pp 563-564.

NLL M 8959

Sci - Phys
Apr 63

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Physical Ripening of Silver Halide Photographic
Emulsions According to Published Materials of
Recent Years, by Yu. M. Prokhotalskiy, 28 pp.

RUSSIAN, per, Zhur Nach 1 Prikl Foto i Kine,
Vol VIII, No 3, 1963, pp 230-244.

CIA/FED XX-1558
NO FOREIGN DISSEM

Sci - Phys

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USID Internal Use Only

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Prokhorov, Yu. M.
SOME PROPERTIES OF SILVER HALIDE PHOTO-
GRAPHIC EMULSIONS WITH GRADES OF LARGE
NATED STRUCTURE, II. [1953] 5p 7refs
Order from OTS, SLA, or ETC \$1.10 TT-44-14443

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1953, v. 3, no. 2, p. 200-204.

DESCRIPTORS: *Photographic emulsions, *Silver
compounds, Halides, *Chlorides, *Bromides,
Photosensitivity, Photographic chemicals.

(Materials--Photographic, TT, v. 11, no. 7)

TT-44-14443

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4473508

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Some Properties of Silver Halide Photographic
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No 2, 1961, pp 142-144.

CLASSIFIED BY: 1505
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Physical Ripening in the Mixture of AgCl and AgBr
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FIZIKHEMIK Vol VII, No 2, 1962, pp 148-150.

NLL Ref: 5828.4 1963 (10 356)
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Sci - Physics
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Relaxation Polarization and Losses in Nonferroelectric Dielectrics with High Dielectric Constants, by G. I. Skanavi, Ya. M. Esenzov, V. A. Trigubenko, V. G. Prokhorov, 10 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXXIX, No 2 (8), 1957, pp 320-334.

Amer Inst of Phys
Sov Phys-JETP
Vol VI (33), No 2

Sci - Phys

May 58

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The Physicochemical and Electrical Properties of
the System $\text{TiO}_2\text{-ZrO}_2$, by Y. M. Ksendzov, V. G.
Prokhorov, 8 pp.

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321-327, 1957.

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CALCIUM GERMANATES AND THEIR PROPERTIES, BY
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NO 4, 1961, PP 880-883.

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(2613-D)

The Social Worker in the Enterprise, by Dragana Prokic,
4 pp.

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JPRS 584-D

Refur - Yugoslavia
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(NY-4856)

Mechanization on the Registering of Subscription
Data Must Be Persistently Introduced, by V. D.
Prokimov, 6 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1959.

JPRS 5999

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An Extremal Problem in Probability Theory,
by Yu. V. Prokhorov. 3 pp

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Primeneniye, Vol IV, No 2, 1959, 211-214 pp

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See for Ind & Applied

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Vacuum High-Temperature Camera for X-Ray Diffraction Analysis, by V. I. Frokhvatilov, E. I. Gladin, 3 pp.

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AEC Tr-4746

167, 849

Sci
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Training Agricultural Workers for Industry, by
D. Prokic, 5 pp.

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No 5-6, Belgrade, 1962, pp 10-14.

JPRS 15616

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EE - Yugoslavia

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(NY-6501)

Where the Crooked Lines Will Take Us,
by S. Chernov, Yu. ~~FRANK~~ Proklov,
V. Glaz'yev, 10 pp.

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JPRS 11525

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TT-65-62783

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HELIUM EMISSION ON THE SUN (Izmereniye Dalekogo
Ultravioletovogo Izlucheniya Geliya na Solntse).
28 May 62, 13p. NASA-TT-F-8232; N65-24036.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as N65-24036

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v11 p15-22 1961.
See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

I. National Aeronautics
and Space Administration,
Washington, D. C.

Prokofev, V. K. and Petrova, N. N.
ON THE PRESENCE OF OXYGEN IN THE ATMOS-
PHERE OF VENUS. 15 Jan 64 [21p] 9 refs JPLAI/Trans.
33; CR-53061; N64-15781.
Order from OTS, SLA, or ETC \$2.40 TT-64-15374

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astro-
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p. 3-14.

(Astronomy--Astrophysics, TT, v. 12, no. 2)

TT-64-15374

I. Prokofev, V. K.
II. Petrova, N. N.
III. JPLAI/Trans-33
IV. CR-53061
V. N64-15781
VI. Jet Propulsion Lab.,
Calif. Inst. of Tech.,
Pasadena

86292

Office of Technical Services

NCH-202 044

Field 20F, 13A, 7D

Prokofev, Y. K.; Nikonova, E. I.; Gruzdev, P. F.;
Frish, M. S.

OSCILLATOR STRENGTHS FOR THE FeI SPECTRUM
(Sluy Otsillyatorov Diya Spektra FeI). 1965, 52p, 38refs.
RTS-2876.

Order from NLL: 40s as RTS-2876

Trans. of Akademiya Nauk SSSR. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, v31 p281-324 1964.

I. National Lending Library for
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Boston Spa (England)

Transpiration of Fruits and Inflorescences
Relative to Meteorological Factors and Age
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6pp.

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No 2, 1963, pp 204-211.

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The Friction Welding of 2 Aluminum to Steel and
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MEMORANDUM, per, Research Project, No 11, 1961, pp 30-31.

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Calculation of the Numbers of Dispersion
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GERMAN, per, Zeit fuer Physik, Vol LVIII, 1929,
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AEC-HP-tr-1051

Sci. Phys
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2-42, 436

Prokofiev, S.
NEW MOLECULAR COMPOUNDS OF ORTHOLOLUMI-
NE HYDROBROMIDE WITH BENZENE AND THIOPHE-
NE. 6p. MTWL: 294
Order from OTS or ETC \$1.55

61-17968

Trans. of Russkoe Eziko-Khimicheskoe Obshchestvo.
Zhurnal (USSR) 1897, v. 29, no. 2, p. 87-90.

DESCRIPTORS: *Toluidines, *Benzenes, *Thiophenes,
Hydrogen compounds, Bromides, Chemical reactions.

61-17968

- I. Prokofiev, S.
- II. MTWL-294
- III. Stichting Mocilijk
Toegankelijke Wetenschap-
pelijke Literatuur

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I. A. Prokofeva

The Structure of the Chromosphere as Shown by
the Fraunhofer Lines H_γ and H_β , by I. A. Prokofeva.

RUSSIAN, per, Glavaya Astronomicheskaya Obser-
vatziya. Pulkova. Izvestiya, No 160, 1957,

pp 155-169.

NTC 71-14319-03B

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Microscopic Structure of Colonies of Actinomyces
Streptomycini and Actinomyces Longisporus Var. ~~longisporus~~
Ruber, by A. A. Prokof'eva-Bel'govskaya, Z. B. Shamina,
6 pp.

RUSSIAN, par, Mikrobiologiya, Vol XXII, No 5, 1962,
pp 857-862.

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Sci -
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Prokof'eva-Bel'govskaya, A. A.
A CYTOLOGICAL STUDY OF THE BREAKS AT THE
WHITE LOCUS OF THE X-CHROMOSOME IN
DROSOPHILA MELANOGASTER (Tsitologicheskoe
Izucheniye Razlomov X-Khromosomy Drosophila
Melanogaster v Biale Lokusa White). 1962, 13p.
11 refs. PL-480 HEW.
Order from OTS \$0.50

61-11483

Trans. of Akademiya Nauk SSSR. Izvestiya. [Seriya
Biologicheskaya] 1959, no. 2, p. 215-227.

DESCRIPTOR5: *Genetics, *Drosophila, *Chromo-
somes, *Mutations, Reproduction, Morphology,
Physiology.

The investigation shows that for mottled to occur it is
not necessary that the X-chromosome break at a
definite point near the white locus.

(Biological Sciences--Biochemistry, TT, v. 8, no. 2)

61-11483

- I. Prokof'eva-Bel'govskaya, A. A.
- II. PL-480 HEW (61-11483)
- III. National Science Foundation,
Washington, D. C.

61-11483

Office of Technical Services

Prokof'eva-Bel'govskaya, A. A.
A CYTOLOGICAL STUDY OF THE "SIMPLE BREAKS"
IN THE INERT REGION OF THE SCUTELAR CHROMO-
SOME OF DROSOPHILA MELANOGASTER (Tsitolo-
gicheskoe izucheniye "Prostykh Razryvov" v Inertnom
Raione X-Khromosomy Drosophila Melanogaster).
1962. 11p. 8 refs. PL-480 HEW.

Order from UTS \$0.50

61-11482

Trans. of Akademiya Nauk SSSR. Izvestiya. [Seriya
Biologicheskaya] 1939 [no. 7] p. 349-361.

DESCRIPTORS: *Histology, *Chromosomes, Morphol-
ogy, *Genetics, Reproduction, *Drosophila, Mutations.

The data presented here indicate that there are no
"simple breaks" in the inert regions, i.e. interstitial
genes cannot become terminal. (Author)

(Biological Sciences - Biochemistry, TT, v. 8, no. 2)

61-11482

- I. Prokof'eva-Bel'govskaya,
A. A.
- II. PL-480 HEW (61-11482)
- III. National Science Foundation,
Washington, D. C.

62-1126

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Prokof'eva-Bel'govskaya, A. A.
 INERT REGIONS IN THE INNER PART OF THE
 X-CHROMOSOME OF DROSOPHILA MELANOGASTER
 (Inertnye Rajony Vnutrennikh Chastei X-Khromosomy
 Drosophila Melanogaster) 1962, 8p. 13 refs.
 Pl.-480 HEW

Order from OTS \$0.50

61-11481

Trans. of Akademiya Nauk SSSR. Izvestiya. [Seriya
 Biologicheskaya] 19:39 [no. 2] p. 362-170.

DESCRIPTORS: *Genetics, *Chromosomes,
 *Drosophila, Salivary glands, Anatomy, Mutations,
 *Morphology.

Studies revealed the presence of inert regions in seven
 segments of the X-chromosome: 2B, 3C3, 3C6, 4C3-7,
 11A, 12E, 15F and 19E. Obviously, these areas
 do not embrace all intercalary inert regions of the
 X-chromosome. All inert regions in salivary glands
 (Biological Sciences: Biochemistry, TT, v. 8, no. 2)
 (over)

61-11481

- I. Prokof'eva-Bel'govskaya,
 A. A.
- II. PL-480 HEW (61-11481)
- III. National Science Foundation,
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Transpiration of the Fruits of Oleaginous Plants,
by A. A. Prokof'yev, K. M. Kats, 3 pp.

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pp 744-.

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Significance of Photosynthetic Activity of Opium Poppy
Fruits for Development of Seeds and Fat Accumulation
in Them, by A. A. Prokofyev and M. T. Godneva, 3 pp.

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No 2, 1957, pp 438-441.

Amer Inst of Biol Sci

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Sci - Med

Feb 58

On the Properties of Lipase from Oil-bearing Plants
by A. A. Prakofyev, G. V. Novitskaya, 10 pp.

RUSSIAN, per, Biokhim, Vol XXIII, No 4, 1958
pp 612-615

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Sci - Biology

Apr 59

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Concerning Phosphorus Transport From the Leaves to
Seeds, by A. A. Prokofyev, A. H. Schalev, 87 pp.

RUSSIAE, biol. per, Tr. Instaniy, Vol IV, No 1,
Jan/Feb 1957, pp 14-23.

Amer Inst of Biol Sci

Sci - Biology
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Additional Factors of Growth and Their Role in the
Life of Plants, by A. A. Prokof'ev.

RUSSIAN, per, Uspekhi sovremennoi biol, Vol XXVI,
Nov-Dec 1948, pp 943-948. 442.8 Er3

USDA Trans No 194

USSR
Scientific - Biology, plants, growth

A-9546

File
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Seed of Flax and Poppy, by A. A. Prokofyev and
G. V. Novitskaya, 4 pp.

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2, 1957, pp 273-276.

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Sci - *chem*

Aug 58

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Effect of Seed Hydration on Mobilization of
Reserve Substances During Germination, by O. S.
Engel', A. A. Prokofyev, 4 pp.

RUSSIAN, per, Fiz Rasteniy, Vol VII, No 1, 1960,
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Amer Inst of Biol Sci

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Summer Dormancy in Bulbous Barley (*Hordeum Bulbosum*
L.), by A. A. Prokoŭ'ev, Kh. Kh. Karimov, 6 pp.

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(NY-5973)

Coordination of Physiological Research in
Forthcoming Seven-Year Period, by A. A. Prokofyev,
L. D. Prusakova, 11 pp.

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JPRS 9227

Sci - Biol

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L. P. Zhdanova, A. M. Sobolev, 7 pp.

RUSSIAN, per, Fiz Rasteniy, Vol IV, No 5, 1957,
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Amer Inst of Biol Sci

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MEASUREMENT OF THE COMPONENTS OF THE EARTH'S
MAGNETIC FIELD BY THE PAPER INSULATION METHOD BY
V. D. LINDVATT, AND A. G. PHILIPPOV, AND ET AL.,
15 PP.

PHYSICAL, CHEM, MAGNETIC RESEARCH LAB, TOP SECRET CONF 12,
NO 11, 1952, PP 3-15.

SCI-CLASS: SCI AND ASTRON.
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PHYS 2141

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An Investigation of the Reactions $P^{19}(n,d)C^{18}$ and
 $P^{31}(n,d)Si^{30}$ for a Neutron Energy of 14.1 Mev.
by G. E. Vekulchov, A. M. Prokof'ev, S. V. Starodubtsev,
3 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 4,
1959, pp 781-783.

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Frequency Discharge from a Radio
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Kabardin, K. F. Kudan, 3 pp.

Dok Ak Nauk SSSR, Ser Fiz, Vol LXIII,

Vorratsberechnung Mineralischer Rohstoffe. 1956, by
A. P. Prokofyev.

Translated from the Russian edition, 1953.

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by N. V. Gram-Grahimaylo, & D. I. Prokopyev.
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RUSSIAN, per, Zhur Georg Khin, Vol III,
No 4, Apr 1958, pp 889-897.

ATTC P-26-9578/V

Sci - Chem

Aug 59

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From the Field of Tactical Exercises in an
Encounter Battle, by Col H. Prokof'ev, Lt Col
G. Suslin.

RUSSIAN, up, Krasnaya Zvezda, 8 Feb 1955.

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TK-672

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Structure of the Nucleotide-Peptide Com-
ponents of Ribonucleic Acid Isolated from
the Pancreas, by A.A. Bogdanov, M.A.
Prokof'yev, 5 pp.

RUSSIAN, per, Biokhimiya, Vol LXVII, No 2,
1962, pp 266-272.

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Feb 63

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Synthesis of Amino Acid Derivatives in Adenosine-2'
Phosphoric Acid Series, by Yu. P. Shvachkin, L. A.
Grtsova, M. A. Prokof'ev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 8, 1960,
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Measures for Further Improving the Selection and
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8 pp.

RUSSIAN, per, Byulletin' Ministerstva Vysshego i
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1962, pp 1-5.

JPRS 15699

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The Preparative-Scale Isolation of Cytidylic Acid by
Ion Exchange, by L. A. Filippova, M. A. Prokofyev,
Sci-pp

4 pp

RUSSIAN, per, Biochim, Vol XXV, No 3, 1960, pp 383-393
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Aminocycl-Derivatives of Nucleosides. IV. Synthesis
of N₆-Polypeptide Derivatives of 3'-~~5~~-D-
Glucopyranosylcytosine By the "Carbodiimide" Method,
by Z. A. Shakhrova, N. I. Sokolova, M. A. Prokof'ev,
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2,
1959, pp 539-544.

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Acylamino Derivatives of Nucleosides. III. Synthesis
of Acylamino Derivatives of Adenosine and 9- β -
D-Glucopyranosylguanine, by Z. A. Shabarova,
Z. P. Polyakova, M. A. Prokof'ev, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX,
No 1, 1959, pp 215-221.

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Mar 60

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Studies in the Pyrimidinoimidazolone Field.
III. Preparation of Pyrimidinoimidazolone
Salts, and Alkylation of Pyrimidinoimidazolones,
by Yu. P. Shvachkin, M. A. Prokofyev,
6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,
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Sci - Chemistry
Jul 58

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The Use of USSR-Made Ion-Exchange Resins in the
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Hydrolyzates, by L. A. Filippova, M. A.
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Sci. - Chem
Nov 58

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Synthesis of Pyrimidinoimidazolones, by M. A.
Prokofyev.

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